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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/821,641	04/09/2004	Robert O. Martin	KMG1090	KMG1090 9006	
65027	7590 09/14/2006		EXAMINER		
	NTELLECTUAL PRO DUGH OFFICE PARK	NGUYEN, DINH Q			
1700 WEST PARK DRIVE WESTBOROUGH, MA 01581			ART UNIT	PAPER NUMBER	
			3752		
•		•	DATE MAIL ED: 00/14/2004	•	

Please find below and/or attached an Office communication concerning this application or proceeding.

	LA				
	Application No.	Applicant(s)			
Office Action Summany	10/821,641	MARTIN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Dinh Q. Nguyen	3752			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tirr rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. sely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on <u>09 Ar</u>	oril 2004.	•			
2a) This action is <b>FINAL</b> . 2b) ⊠ This	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
<ul> <li>4)  Claim(s) 1-10 is/are pending in the application.</li> <li>4a) Of the above claim(s) is/are withdraw</li> <li>5)  Claim(s) 1-5 is/are allowed.</li> <li>6)  Claim(s) 6,8 and 9 is/are rejected.</li> <li>7)  Claim(s) 7 and 10 is/are objected to.</li> <li>8)  Claim(s) are subject to restriction and/or</li> </ul>					
Application Papers	·				
9) The specification is objected to by the Examine	r.				
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview Summary				
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO/SB/08)         Paper No(s)/Mail Date 4/09/04.     </li> </ul>	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

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### **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 6, 8, 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Mays.

The statement of intended use such as "for alternating a liquid fuel flow and a purge gas flow in a fuel injector" carries no patentable weight, and the fuel injector is not positive recited.

Mays discloses a method of moving a Schrader valve 20 between a closed position when needle engaging ball to open the high pressure gas (see column 2, lines 53+), the high pressure gas acting on the piston 32 of the Schrader valve 20 forcing the valve stem 47 to an upward movement thus terminating the flow of the purge gas, to open the flow of liquid fuel, advancing screw 43 to place the Schrader valve 20 in the closed position and open check valve 6/8, low pressure liquid fuel commencing flow when ball 8 moving away from valve seat 7.

# Allowable Subject Matter

- 3. Claims 1-5 are allowed.
- 4. Claims 7 and 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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### Conclusion

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5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents are cited to show the art with respect to a Schrader valve:

Joshi et al., Beaver, and Knowles et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dinh Q. Nguyen whose telephone number is 571-272-4907. The examiner can normally be reached on Monday-Thursday 6:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Scherbel can be reached on 571-272-4919. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Dinh Q Nguyen Primary Examiner Art Unit 3752

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